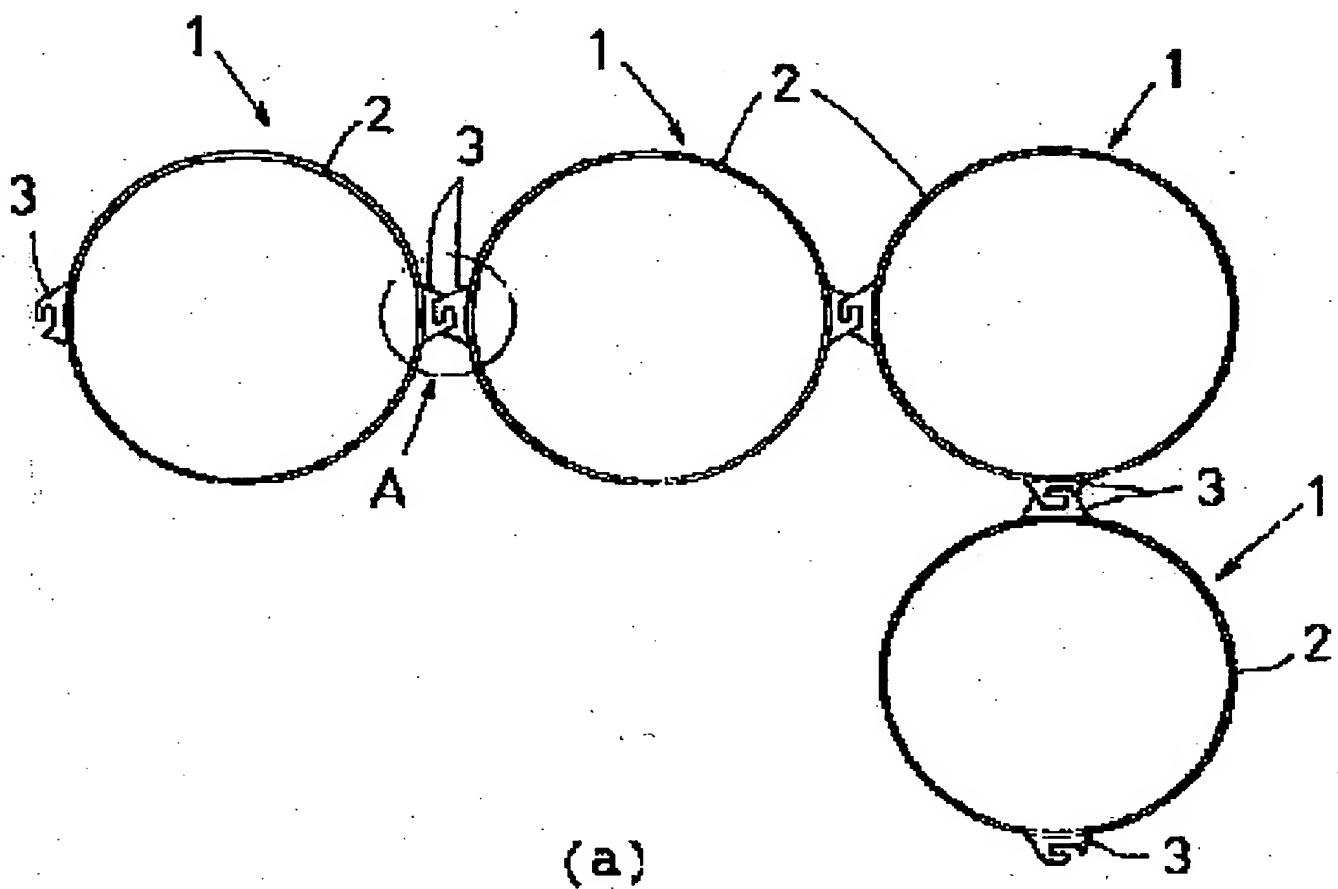


PN - JP9217584 A 19970819  
TI - PIPE JOINT FOR PIPE ROOF, WATERTIGHT PACKING OF SHAFT, AND WATER CUTOFF METHOD IN PIPE  
ROOF CONSTRUCTION METHOD  
AB - PROBLEM TO BE SOLVED: To provide a pipe joint and the watertight packing of a shaft which are excellent in the property of cutting off water and easy to manufacture and to surely prevent ground water from flowing out to the shaft.  
- SOLUTION: A joint piece 3 provided longitudinally along the outer peripheral surface of a pipe 1 for a pipe roof includes a meshing part 4 of hook-shaped cross section, having a locking groove 4a inside, and a locking part 5 provided opposite to the meshing part 4. When the meshing part 4 of one joint piece 3 is engaged in the locking groove 4a of the other joint piece 3, the back of the meshing part 4 is locked in the locking part 5 of the other joint piece 3, whereby the pair of joint pieces 3 mesh with each other.  
I - E21D9/04 ;E21D9/06 ;E21D11/38  
PA - KOMATSU LTD  
IN - HORI KENJI;YAMAZAKI TOSHIHIRO  
ABD - 19971225  
ABV - 199712  
AP - JP19960325540 19961205

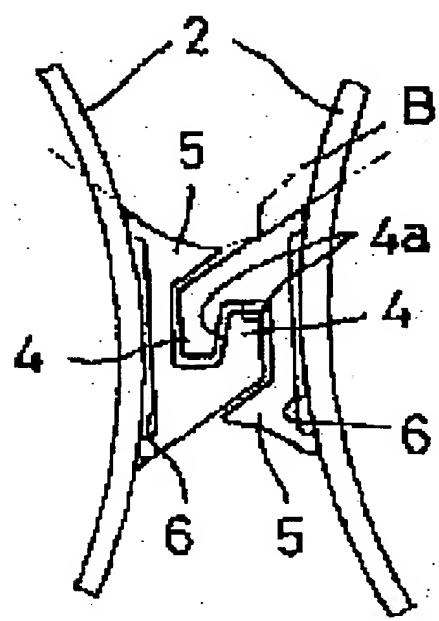
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バイブルーフリーパイプを連結状態で示す図



(a)

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(b)